

W.P. TITLE: PUBLIC OUTREACH

W.P. MANAGER: L.Giacomini



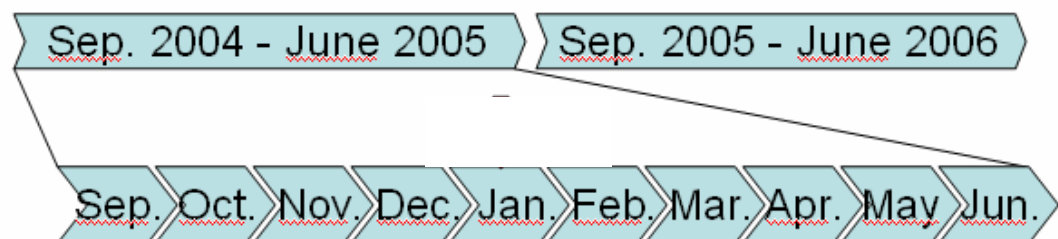
Realization of the didactic project “An audio/video for DAWN”
Updated 1-06-2006

- **Brief Description of the project**

In this 2 years project, INAF has worked together with a group of selected and motivated teachers to make their classes realize a movie structured as a TV News Program about the building and launch phases of DAWN and the VIR instrument.

The final movie has been realized as a DVD called “an audio/video for Dawn”

- **Calendar of the activities (sep 2004/ june 2006)**



Preparation of webtools



Preparation of didactic materials



Recruitment of teachers



Didactic activities (conferences, workshops)



- **Description of the activities (sep 2004/ june 2006)**

The activities we have realized together with the teachers can be divided into 4 types

- **preparation of webtools**

see Task 1, previous report

- **recruitment of teachers**

In September 2005, we have contacted the **Morgagni High School**, based in Rome to be involved in the project. At the beginning of the project, we have selected a restricted group of teachers to work with us and started creating a working team of **11 teachers teaching different topics**.

We have organized for the working team of teachers a series of didactic activities:

- Lessons, conferences and workshops
- discussions with VIR science team members
- visits to INAF laboratories



Some activities organized for Morgagni teachers (from left to right): a conference about Dawn an opened discussion with VIR science team and a guided visit by G. Piccioni (INAF) to INAF laboratory where VIR is tested

- **Didactic activities**

6 Classes of 5° liceo of the Morgagni High Scholl, during the scholastic year 2005/2006 (**about 110 students**) have followed the project following a calendar of activities that we have organized for them, including lessons and conferences, external visits and workshops.

In particular, the school classes have been directly involved in our **INAF** Institute's activities and have participated to:

- conferences and lessons by science teams
- visits to our laboratories
- interviews with scientists



Some examples of didactic activities in INAF (from left to right): Morgagni visiting our Institute, A. Coradini (INAF) interviewed by Morgagni, G. Filacchione (INAF) organizing a lab experiment on spectrometry.

For this task we have also collaborated with some Italian institutions. In particular, we have contacted and involved in the project:

- the **Planetarium of Rome (Rome)**, where a number of lessons have been prepared for teachers and school classes. Experts of the planetarium have also been interviewed by the Morgagni
- The **Museum of Planetary Science of Prato** (Florence) that has been visited by the school classes
- **Galileo Avionica**, where VIR was built, that opened its buildings for a guided visit. Scientists and engineers of GA have also been interviewed by Morgagni



The Morgagni activities at the Planetarium of Rome (from left to right): lessons, a guided visit of the museum of Astronomy by G. Masi (Planetarium) and an interview to G. Gandolfi (Planetarium)

- Didactic material

During the 2 years of work, we have worked together with the teachers, giving them technical and scientific assistance to produce:

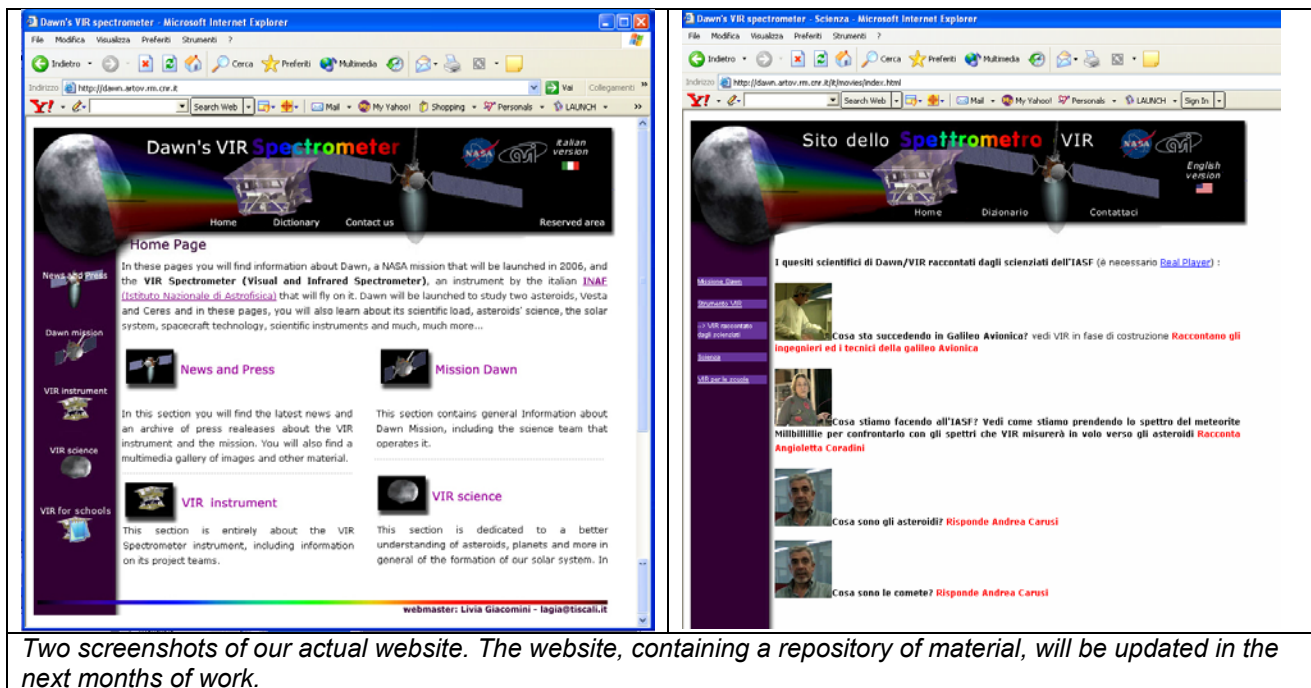
- **didactic material** to be used in class work and distributed online to a larger audience. The Morgagni has prepared, together with INAF scientists a **power/point presentation** to be presented to general public, divided in 6 chapters:
 1. the birth of the solar system
 2. an introduction to Dawn
 3. asteroids and meteorites
 4. why Vesta and Ceres
 5. The technological/social fallout of a space mission
 6. VIR and spectrometry
- **audio/video material**
With the technical support of INAF, Morgagni has realized all kind of **audio/video** material (all in mini-dv format) that can be in future re-used for didactic reasons, such as:
 1. interviews to scientists
 2. laboratory experiments
 3. conferences and lessons

Part of this material is now presented to the general public in 2 different formats:

- a **DVD called “an audio/video for Dawn”**
- on **our website** (actually online at <http://dawn.artov.rm.cnr.it>). The website will be updated in the next months of work with new material.



Some screen shots of the DVD “an audio video for Dawn”: an interview with A. Coradini, a GA engineer explaining VIR, a slide of the power point lessons prepared by Morgagni together with the scientists.



Two screenshots of our actual website. The website, containing a repository of material, will be updated in the next months of work.

- **Morgagni involvement to the activities (sep 2004/ june 2006)**

Morgagni Teachers Involved in the project in the years 2004/2005 and 2005/2006:

Sandra Amatiste (Matematica e Fisica)
 Daniela Bianchi (Matematica e Fisica)
 Valeria Cartoni (Scienze)
 Marta Cresti (Matematica e Fisica)
 Tiziana Duranti (Scienze)
 Benedetto Fabbri (Matematica e Fisica)
 Laura Ferroni (Lettere)
 Giuliana Germondani (Lettere)
 Anna Mataloni (Matematica e Fisica)
 Roberta Pratesi (Scienze)
 Silvana Renzi (Matematica e Fisica)

Morgagni classes involved in the project in the year 2005/2006 (110 students):

5° C
 5° D
 5° E
 5° F
 5° G
 5° H